

# SERVICE BULLETIN

## Affecting:

### D412-664-203 / D412-664-203A Crosstube Installation

REF. CANADIAN STC: SH01-9

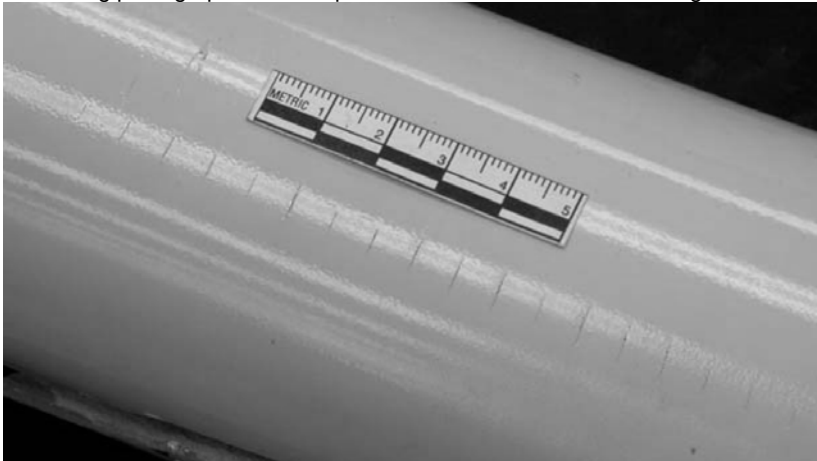
REF. FAA STC: SR01298NY

REF. EASA STC: IM.R.S.01304

Dart Aerospace Ltd. has received a report of a fractured D412-664-203 aft crosstube on an aircraft equipped with D412-682-025 Float Landing Gear. This aircraft was performing frequent landings/takeoffs at high weight on slippery surfaces. Dart Aerospace Ltd. recommends that operators take the following precautions on aircraft equipped with D412-664-203/-203A aft crosstubes that may have been purchased individually or as part of a D412-682-015/-025/-035 landing gear kit:

## RECOMMENDATIONS

- Customers are reminded that the inspection requirements of Instructions for Continued Airworthiness **ICA-D212-664** must be followed to ensure safe aircraft operation.
- During the daily inspection, particular attention should be paid to the underside of the crosstube for signs of cracking and corrosion. If any cracking is observed, the crosstubes should be replaced immediately. Corrosion should be immediately repaired per Instructions for Continued Airworthiness **ICA-D212-664**, if within the allowable limits specified in the ICA. The damage shown in the following photograph is unacceptable and should be further investigated for corrosion/cracking damage:



*Photo: Cracks in paint can indicate corrosion/cracking of underlying aluminum*

- The D2896-1 center support should be inspected for slipping. If the support is installed with a D2856-600-1087 abrasion strip (D412-664-203 CHG 003 or earlier / D412-664-203A CHG 001) and/or slipping is observed, the support should be reinstalled with Magnobond adhesive per Dart Service Instruction **DSI 9357** or Instructions for Continued Airworthiness **ICA-D212-664 Rev. 3** (or later accepted revision).
- The skidtube wearplates should be inspected for wear / missing weld beads. Excessively worn wearplates can increase the amount of crosstube spread during landing and unduly stress the crosstube. Unsuitable wearplates should be repaired/replaced per the manufacture's instructions.
- The D412-666-011 Gross Weight Towing Kit, available from Dart Aerospace Ltd., must be used in conjunction with BHT-412-SI-58 for towing operations above 8900 lbs. Dart Aerospace Ltd. recommends the use of the towing kit for all towing operations or when the aircraft is parked for long periods of time to preserve the life of the crosstube.
- Aircraft landing surfaces must be properly maintained. Anti-skid paint should be re-applied to landing surfaces with missing/worn anti-skid treatment. Rope nets are recommended for landing on ship decks or oil platforms.

A	NEW ISSUE	CP	07.09.18
REV.	DESCRIPTION		BY DATE
DESIGN	qp	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	qp		
CHECKED	PH	DRAWING NO.	REV. A
MFG. APPR.	N/A	SB 07-1	SHEET 1 OF 1
APPROVED	[Signature]	TITLE	SCALE
DE APPR.	[Signature]	SERVICE BULLETIN	NTS
DATE	07.09.18	COPYRIGHT © 2007 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	